

(1) EC-TYPE EXAMINATION CERTIFICATE**(2) Equipment and protective systems intended for use in potentially explosive atmospheres - Directive 94/9/EC**

(3) EC-Type Examination Certificate Number: **KEMA 03ATEX2402 X** Issue Number: **3**

(4) Equipment: **Flameproof Pressure Switch Model 1950G**

(5) Manufacturer: **Dwyer Instruments, Inc.**

(6) Address: **102 Indiana Highway 212, Michigan City, IN 46360 USA**

(7) This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) KEMA Quality B.V., notified body number 0344 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the directive.

The examination and test results are recorded in confidential test report number 212689300.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0 : 2006

EN 60079-1 : 2007

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EC-Type Examination Certificate relates only to the design, examination and tests of the specified equipment according to the Directive 94/9/EC. Further requirements of the directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

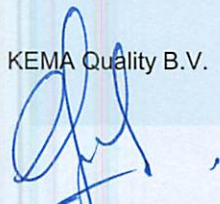
(12) The marking of the equipment shall include the following:



II 2 G Ex d IIB + H₂ T6

This certificate is issued on October 9, 2009 and, as far as applicable, shall be revised before the date of cessation of presumption of conformity of (one of) the standards mentioned above as communicated in the Official Journal of the European Union.

KEMA Quality B.V.



C.G. van Es
Certification Manager



(13) **SCHEDULE**

(14) **to EC-Type Examination Certificate KEMA 03ATEX2402 X** Issue No. 3

(15) **Description**

The Flameproof Pressure Switch Type 1950G is a differential pressure-operated switch in a die cast aluminium enclosure. The diaphragm and the switch are located in separate partitions of the unit. They are separated by a continuous metal wall. The movement of the diaphragm is magnetically transferred through this wall to the switch.

Ambient temperature range -40 °C to +60 °C.

Electrical data

Supply	24 Vdc, 120 Vac or 240 Vac ± 10 %
Relay contacts	10 A - 120/240 Vac, 28 Vdc resistive 50 mA - 125 Vdc

Installation instructions

The cable gland shall be of a certified flameproof type, suitable for the conditions of use and correctly installed. The cable and the cable gland shall be suitable for a temperature of at least 95 °C.

(16) **Test Report**

KEMA No. 212689300.

(17) **Special conditions for safe use**

- The property class of the cover screws shall be at least 10.9.
- For information of the flameproof joints the manufacturer shall be contacted.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at (9).

(19) **Test documentation**

As listed in Test Report No. 212689300.